QC ABSTRACT

NAME OF WORK: Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Block(400*150*200)	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1
6	Precast Slab(100mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
7	PCC(M15)	Compressive Strength(7days and 28days)	5 set /51-100 cum	72.7	10	10
8	Cement Concrete Pavemet (M30)	Compressive Strength(7days and 28days)	9 set /251-300 cum	286.86	18	18

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2020-08-26-58** **Date: 15-05-20**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.
Agency	:	Sri.Ganguleddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003
Customer's Reference	:	BBMP/EE/BTP/WO/09/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-05-20
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	13-05-20
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.53	–
2	Finess by Air permeablity method (m^2/kg,Min)	287.5	225m^2/kg, Min
3	Density (gm/cc)	3.12	–
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	155 minutes	Not less than 30 minutes
6	Final Setting time	260 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2mm	Not more than 10 mm

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

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FOR CIVIL Pro.

CIVIL Pro Sig. Date

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Assistant Executive Engineer, Kodigehalli Sub Division, B.B.M.P., Bangalore.

****End of Report****

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2020-08-26-58** **Date: 10-06-20**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.
Agency	:	Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003
Customer's Reference	:	BBMP/EE/BTP/WO/09/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-05-20
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	13-05-20
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	28.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.0N/mm^2	Not less than 37 N/mm^2
3	28 Days	58.5N/mm^2	Not less than 53 N/mm^2

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Assistant Executive Engineer
Kodigehalli Sub Divisi
Yelahanka Zone, B.B.M.P.

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2020-08-26-58** **Date: 15-05-20**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.
Agency	:	Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003
Customer's Reference	:	BBMP/EE/BTP/WO/09/2020-21
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	12-05-20
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	12-05-20

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	318	318	2.1	97.9	90-100
3	20 mm	7441	7759	51.7	48.3	30-70
4	10 mm	5152	12911	86.1	13.9	10-35
5	4.75 mm	1711	14622	97.5	2.5	0-5
6	Pan	378	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2020-08-26-58** **Date: 15-05-20**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	8.1	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	7.5	
3	Specific Gravity	2.61	_
4	Bulk Density(Loose) (Kg/l)	1.38	_
5	Bulk Density(Compacted) (Kg/l)	1.42	_
6	Water Absorption(%)	0.26	_

Note:
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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Assistant Executive Engineer, Division, B.B.M.P., Bangalore.

****End of Report****

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2020-08-26-58** **Date: 14-05-20**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.
Agency	:	Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003
Customer Reference	:	BBMP/EE/BTP/WO/09/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-05-20
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	12-05-20

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	255	255	5.1	94.9	90-100
3	10 mm	2789	3044	60.9	39.1	25-55
4	4.75 mm	1545	4589	91.8	8.2	0-10
5	Pan	411	5000	100	0	–

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2020-08-26-58** **Date: 14-05-20**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	13.2	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.4	
3	Specific Gravity	2.65	_
4	Bulk Density(Loose) (Kg/l)	1.53	_
5	Bulk Density(Compacted) (Kg/l)	1.55	_
6	Water Absorption(%)	0.25	_
7	Aggregate crushing Value(%)	24.1	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	23.8	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

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Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka, B.B.M.P., Bangalore.

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R KARTHIK RECHAN
Authorized Signature
Quality Manager

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Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2020-08-26-58** **Date: 14-05-20**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Additional Hall on Ward Office Building and Improvements of Roas and Drains at Kodigehalli Ward No 08.

Agency : Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003

Customer's Reference : BBMP/EE/BTP/WO/09/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 12-05-20

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 12-05-20

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	27	27	2.7	97.3	90-100	90-100	90-100	95-100
3	2.36 mm	55	82	8.2	91.8	60-95	75-100	85-100	95-100
4	1.18 mm	239	321	32.1	67.9	30-70	55-90	75-100	90-100
5	600 micron	205	526	52.6	47.4	15-34	35-59	60-79	80-100
6	300 micron	203	729	72.9	27.1	5-20	8-30	12-40	15-50
7	150 micron	191	920	92.0	8.0	0-10	0-10	0-10	0-15
8	Pan	80	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2020-08-26-58** **Date: 14-05-20**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.5	–
2	Specific Gravity	2.59	–
3	Material finer than 75 micron(%)	6.9	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

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Authorized Signatory
Quality Manager

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TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Lab ID : CP-2020-08-26-58 **Date: 25-05-20**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.

Agency : Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003

Customer's Reference : BBMP/EE/BTP/WO/09/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 22-05-20

Sample Type/Size : Solid concrete blocks size (400X150X200)mm

Reference to BIS codes : IS : 2185 (Part 1) : 2005(RA 2010) Concrete Masonry Specification
Part 1:Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 , Block density Annex -C Clause 9.3 and10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)

Date of test : 22-05-20

BLOCK DENSITY:

Sl. No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10^6	Avg.Block Density in (Kg/cum)	As per IS 2185(Part 1) :2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm^3)	Kg	Kg/m^3	Kg/m^3	
1	400	149	199	11860	31.429	2649.9	2704.6	Not less than 1800Kg/m^3
2	405	150	200	12150	33.471	2754.8		
3	402	148	198	11780	31.914	2709.1		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185(Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	33.91	32.25	4.89	4.25	Shall not be more than 10% by mass
2	33.57	32.14	4.28		
3	33.44	32.24	3.59		

CIVIL Pro Sig. Date BANGALORE

ID : CP-2020-08-26-58

Date: 25-05-20

DIMENSION ANALYSIS

Sl.no	Length mm	Breadth mm	Height mm	Requirement as per IS 2185(Part 1):2005
1	402	152	200	
2	401	152	200	
3	399	149	200	
4	401	151	199	
5	399	149	202	
6	401	150	201	
7	402	152	200	
8	400	152	201	
9	401	149	201	
10	401	153	202	
11	399	153	202	
12	403	151	200	
13	400	152	203	
14	400	152	202	
15	401	151	200	
16	404	152	201	
17	402	151	201	
18	399	152	199	
19	400	152	200	
20	402	151	201	
Average of 20	**401**	**151**	**201**	

Length : ± 5mm
Breadth : ± 3mm
Height : ± 3mm

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: CP-2020-08-26-58 Date: 25-05-20

MPRESSIVE STRENGTH:

Sl. No.	Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
	Length	Breadth				
	mm	mm	(mm^2)	(KN)	N/mm^2	(N/mm^2)
1	402	152	61144	275.2	4.5	4.6
2	401	152	60914	272.3	4.5	
3	399	149	59482	283.2	4.8	
4	401	151	60528	272.2	4.5	
5	399	149	59507	271.8	4.6	
6	401	150	60154	284.4	4.7	
7	402	152	61080	282.5	4.6	
8	400	152	60778	268.8	4.4	

As per IS Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	Minimum average	Minimum Individual units.
C (5.0)	5.00 N/mm^2	4.00 N/mm^2
C (4.0)	4.00 N/mm^2	3.20 N/mm^2

Note:
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Assistant Executive Engineer,
Kodigehalli Sub Divisi
Yelahanka Zone, B.B.M.P.
Bangalore.

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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TEST REPORT OF PRECAST COVER SLAB

Lab ID : **CP-2020-08-26-58** **Date: 30-05-20**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.

Agency : Sri.Ganguluredy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003

Customer's Reference : BBMP/EE/BTP/WO/09/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 26-05-20

Sample Type /Size : Precast Cover Slab-100mm

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete

Date of test : 26/05/2020

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.51	100.48	1.116	4477	80.9	18.1	16.8	21.0
2	Cover Slab-2	75.49	100.52	1.122	4475	82.3	18.4	17.1	21.4
3	Cover Slab-3	75.50	100.51	1.118	4476	81.5	18.2	16.9	21.2

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Authorized Signatory
Quality Manager

Assistant Executive Engineer, Kodigehalli Sub Division, B.B.M.P., Yelahanka, Bangalore.

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-08-26-58** **Date: 23/05/2020**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.

Agency : Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003

Customer's Reference : BBMP/EE/BTP/WO/09/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 18-05-20

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/05/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	16/05/2020	23/05/2020	151.40 X 149.58 X 151.70	22645	**8.194**	289.3	12.8	12.7
2	PCC	M15	16/05/2020	23/05/2020	150.57 X 149.08 X 149.75	22447	**8.182**	290.6	12.9	
3	PCC	M15	16/05/2020	23/05/2020	151.41 X 149.67 X 149.30	22661	**9.093**	282.4	12.5	

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Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka, B.B.M.P.
Bangalore.

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Authorized Signatory
Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 13/06/2020

Lab ID	:	CP-2020-08-26-58
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.
Agency	:	Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003
Customer's Reference	:	BBMP/EE/BTP/WO/09/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-05-20
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	13/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	16/05/2020	13/06/2020	150.65 X 150.68 X 149.62	22700	8.197	393.8	17.3	17.4
2	PCC	M15	16/05/2020	13/06/2020	150.73 X 151.35 X 150.30	22813	8.584	395.2	17.3	
3	PCC	M15	16/05/2020	13/06/2020	151.28 X 149.12 X 150.81	22558	8.490	397.5	17.6	

11.7.2020

Note:
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Assistant Executive Engineer,
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.,
Bangalore.

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Quality Manager

****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2020-08-26-58** **Date: ~~23/05/2020~~**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.
Agency	:	Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003
Customer's Reference	:	BBMP/EE/BTP/WO/09/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-05-20
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	23/05/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	16/05/2020	23/05/2020	149.10 X 149.55 X 151.02	22299	**8.194**	288.5	12.9	12.6
2	PCC	M15	16/05/2020	23/05/2020	150.09 X 151.87 X 150.93	22794	**8.182**	276.2	12.1	
3	PCC	M15	16/05/2020	23/05/2020	151.51 X 149.74 X 149.49	22688	**9.093**	287.4	12.7	

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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 13/06/2020

Lab ID	:	**CP-2020-08-26-58**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.
Agency	:	Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003
Customer's Reference	:	BBMP/EE/BTP/WO/09/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-05-20
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	13/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	16/05/2020	13/06/2020	150.84 X 149.80 X 150.42	22596	8.197	398.6	17.6	17.6
2	PCC	M15	16/05/2020	13/06/2020	150.03 X 149.12 X 149.85	22373	8.584	396.6	17.7	
3	PCC	M15	16/05/2020	13/06/2020	151.63 X 149.85 X 151.82	22721	8.490	397.8	17.5	

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Assistant Executive Engineer, Kodigehalli Sub Division, B.B.M.P., Yelahanka Zone, Bangalore

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-08-26-58 **Date: 01/06/2020**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.

Agency : Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003

Customer's Reference : BBMP/EE/BTP/WO/09/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 27-05-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 01/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	~~25/05/2020~~ 10.7.2020	01/06/2020	151.80 X 151.29 X 149.82	22967	**8.633**	596.9	26.0	25.7
2	Cement Concrete Pavement	M30	25/05/2020	01/06/2020	150.29 X 150.07 X 150.39	22554	**8.400**	596.7	26.5	
3	Cement Concrete Pavement	M30	25/05/2020	01/06/2020	149.00 X 151.66 X 151.81	22598	**8.441**	560.4	24.8	

Note:

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Assistant Executive Engineer, Kodigehalli Sub Divisi, Yelahanka Zone, B.B.M.P., Bangalore.

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2020-08-26-58** **Date: 22/06/2020**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.
Agency	:	Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003
Customer's Reference	:	BBMP/EE/BTP/WO/09/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	27-05-20
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	22/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	25/05/2020	22/06/2020	151.06 X 149.23 X 151.93	22542	**8.381**	764.3	33.9	33.3
2	Cement Concrete Pavement	M30	25/05/2020	22/06/2020	150.70 X 150.78 X 150.82	22722	**8.941**	735.2	32.4	
3	Cement Concrete Pavement	M30	25/05/2020	22/06/2020	151.38 X 151.49 X 149.63	22932	**8.941**	769.8	33.6	

10.7.2020

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Assistant Executive Engineer,
Kodigehalli Sub Division,
Yashanka Zone, B.B.M.P.,
Bangalore

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-08-26-58** **Date: 01/06/2020**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.

Agency : Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003

Customer's Reference : BBMP/EE/BTP/WO/09/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 27-05-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 01/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	25/05/2020	01/06/2020	150.13 X 151.79 X 150.06	22789	**8.633**	584.0	25.6	25.4
2	Cement Concrete Pavement	M30	25/05/2020	01/06/2020	149.21 X 150.45 X 150.38	22448	**8.400**	595.1	26.5	
3	Cement Concrete Pavement	M30	25/05/2020	01/06/2020	150.42 X 151.61 X 150.92	22805	**8.441**	548.9	24.1	

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Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P., Bangalore

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-08-26-58** **Date: 22/06/2020**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.

Agency : Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003

Customer's Reference : BBMP/EE/BTP/WO/09/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 27-05-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 22/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	25/05/2020	22/06/2020	151.93 X 149.05 X 149.56	22646	**8.381**	750.7	33.1	32.9
2	Cement Concrete Pavement	M30	25/05/2020	22/06/2020	151.05 X 149.46 X 151.27	22576	**8.941**	725.7	32.1	
3	Cement Concrete Pavement	M30	25/05/2020	22/06/2020	150.42 X 151.46 X 151.50	22781	**8.941**	758.3	33.3	

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Assistant Executive Engineer
Kodigehalli Sub Divn.
Yelahanka Zone, B.B.M.P.
Bangalore.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-08-26-58** **Date: 01/06/2020**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.

Agency : Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003

Customer's Reference : BBMP/EE/BTP/WO/09/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 27-05-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 01/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	25/05/2020	01/06/2020	149.97 X 151.42 X 150.49	22709	**8.633**	574.4	25.3	25.5
2	Cement Concrete Pavement	M30	25/05/2020	01/06/2020	151.88 X 151.07 X 149.71	22944	**8.400**	605.0	26.4	
3	Cement Concrete Pavement	M30	25/05/2020	01/06/2020	150.55 X 149.31 X 151.23	22479	**8.441**	557.0	24.8	

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Authorized Signatory
Quality Manager

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka, B.B.M.P.
Bangalore.

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 22/06/2020

Lab ID	:	**CP-2020-08-26-58**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.
Agency	:	Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003
Customer's Reference	:	BBMP/EE/BTP/WO/09/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	27-05-20
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	22/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	25/05/2020	22/06/2020	151.72 X 150.67 X 149.30	22859	**8.381**	763.9	33.4	33.2
2	Cement Concrete Pavement	M30	25/05/2020	22/06/2020	151.04 X 149.70 X 150.51	22611	**8.941**	732.3	32.4	
3	Cement Concrete Pavement	M30	25/05/2020	22/06/2020	151.16 X 150.67 X 151.78	22776	**8.941**	772.5	33.9	

Note:
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Assistant Executive Engineer,
Kodigehalli Sub Division,
Yeshwanthpur, B.B.M.P.,
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Quality Manager

Page 1/1
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-08-26-58** **Date: 01/06/2020**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.

Agency : Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003

Customer's Reference : BBMP/EE/BTP/WO/09/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 27-05-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 01/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	25/05/2020	01/06/2020	150.14 X 149.63 X 149.78	22466	8.633	577.8	25.7	25.8
2	Cement Concrete Pavement	M30	25/05/2020	01/06/2020	149.48 X 150.46 X 150.41	22490	8.400	601.0	26.7	
3	Cement Concrete Pavement	M30	25/05/2020	01/06/2020	151.07 X 149.39 X 151.63	22569	8.441	561.7	24.9	

Note:
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Authorized Signatory
Quality Manager

Assistant Executive Engineer,
Kodigehalli Sub Divn.
Yelahanka Zone, B.B.M.P.,
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-08-26-58** **Date: 22/06/2020**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.

Agency : Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003

Customer's Reference : BBMP/EE/BTP/WO/09/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 27-05-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 22/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	25/05/2020	22/06/2020	151.11 X 151.13 X 149.75	22836	**8.381**	759.2	33.2	33.0
2	Cement Concrete Pavement	M30	25/05/2020	22/06/2020	149.01 X 151.89 X 151.45	22632	**8.941**	738.4	32.6	
3	Cement Concrete Pavement	M30	25/05/2020	22/06/2020	151.14 X 149.46 X 149.50	22589	**8.941**	747.6	33.1	

Note:
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Assistant Executive Engineer
Kodigehalli Sub Divisi
Yelahanka Zone, B.B.M.P.
Bangalore.

CIVIL PRO Sig. Date BANGALORE

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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-08-26-58** **Date: 01/06/2020**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.

Agency : Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003

Customer's Reference : BBMP/EE/BTP/WO/09/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 27-05-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 01/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	25/05/2020	01/06/2020	150.34 X 150.23 X 149.16	22586	**8.633**	569.3	25.2	25.4
2	Cement Concrete Pavement	M30	25/05/2020	01/06/2020	150.09 X 149.51 X 151.40	22440	**8.400**	592.3	26.4	
3	Cement Concrete Pavement	M30	25/05/2020	01/06/2020	149.65 X 149.50 X 151.38	22373	**8.441**	550.1	24.6	

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Assistant Executive Engineer
Kodigehalli Sub Division, B.B.M.P.
Yelahanka, Bangalore.

CIVIL PRO Sig. Date. BANGALORE

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 22/06/2020

Lab ID	:	**CP-2020-08-26-58**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.
Agency	:	Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003
Customer's Reference	:	BBMP/EE/BTP/WO/09/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	27-05-20
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	22/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
			10.7		(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement	M30	25/05/2020	22/06/2020	151.90 X 151.52 X 151.22	23016	**8.381**	778.9	33.8	33.2
2	Cement Concrete Pavement	M30	25/05/2020	22/06/2020	149.80 X 151.00 X 150.03	22619	**8.941**	727.0	32.1	
3	Cement Concrete Pavement	M30	25/05/2020	22/06/2020	149.23 X 150.18 X 150.89	22410	**8.941**	756.6	33.8	

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Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

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Authorized Signatory
Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-08-26-58** **Date: 02/06/2020**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.

Agency : Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003

Customer's Reference : BBMP/EE/BTP/WO/09/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 28-05-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	26/05/2020	02/06/2020	150.87 X 150.66 X 149.98	22731	**8.633**	584.2	25.7	25.4
2	Cement Concrete Pavement	M30	26/05/2020	02/06/2020	151.91 X 150.96 X 149.97	22933	**8.400**	600.7	26.2	
3	Cement Concrete Pavement	M30	26/05/2020	02/06/2020	150.11 X 150.24 X 150.31	22553	**8.441**	547.9	24.3	

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Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 23/06/2020

Lab ID	:	**CP-2020-08-26-58**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.
Agency	:	Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003
Customer's Reference	:	BBMP/EE/BTP/WO/09/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-05-20
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	23/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	26/05/2020	23/06/2020	149.26 X 151.07 X 149.02	22549	8.381	758.3	33.6	33.1
2	Cement Concrete Pavement	M30	26/05/2020	23/06/2020	150.33 X 149.81 X 150.17	22520	8.941	733.5	32.6	
3	Cement Concrete Pavement	M30	26/05/2020	23/06/2020	150.25 X 149.03 X 150.38	22391	8.941	743.9	33.2	

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Assistant Executive Engineer, Kodigehalli Sub Divisi, Yelahanka Zone, B.B.M.P., Bangalore.

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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 02/06/2020

Lab ID : **CP-2020-08-26-58**
Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address : Kodigehalli Sub Division, BBMP, Bangalore.
Project Name : Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.
Agency : Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003

Customer's Reference : BBMP/EE/BTP/WO/09/2020-21
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 28-05-20
Customer ID : Cement Concrete Pavement
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 02/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	26/05/2020	02/06/2020	150.88 X 150.14 X 151.18	22654	**8.633**	586.8	25.9	25.6
2	Cement Concrete Pavement	M30	26/05/2020	02/06/2020	149.54 X 149.15 X 150.85	22303	**8.400**	597.6	26.8	
3	Cement Concrete Pavement	M30	26/05/2020	02/06/2020	151.77 X 150.41 X 151.87	22828	**8.441**	549.1	24.1	

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Assistant Executive Engineer,
Kodigehalli Sub Divisi
Yelahanka [illegible] B.B.M.P.,
Bangalore.

CIVIL Pro Sig. Date

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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-08-26-58** **Date: 23/06/2020**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.

Agency : Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003

Customer's Reference : BBMP/EE/BTP/WO/09/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 28-05-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	26/05/2020	23/06/2020	150.08 X 151.60 X 150.14	22752	8.381	764.1	33.6	33.0
2	Cement Concrete Pavement	M30	26/05/2020	23/06/2020	150.95 X 149.78 X 150.51	22608	8.941	728.9	32.2	
3	Cement Concrete Pavement	M30	26/05/2020	23/06/2020	149.75 X 150.44 X 151.75	22528	8.941	745.9	33.1	

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Kodigehalli Sub Division,
B.B.M.P.,
Bangalore.

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R KARTHIK RECHAN
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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 02/06/2020

Lab ID	:	**CP-2020-08-26-58**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.
Agency	:	Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003
Customer's Reference	:	BBMP/EE/BTP/WO/09/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-05-20
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	02/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	26/05/2020	02/06/2020	149.61 X 150.89 X 149.51	22574	**8.633**	564.7	25.0	25.5
2	Cement Concrete Pavement	M30	26/05/2020	02/06/2020	151.47 X 151.16 X 150.42	22897	**8.400**	608.0	26.6	
3	Cement Concrete Pavement	M30	26/05/2020	02/06/2020	150.62 X 150.32 X 150.05	22640	**8.441**	566.0	25.0	

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Assistant Executive Engineer
Kodigehalli Sub Division
B.B.M.P.

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 23/06/2020

Lab ID	:	**CP-2020-08-26-58**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.
Agency	:	Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003
Customer's Reference	:	BBMP/EE/BTP/WO/09/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-05-20
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	23/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	26/05/2020	23/06/2020	149.85 X 149.60 X 150.26	22417	8.381	749.0	33.4	33.2
2	Cement Concrete Pavement	M30	26/05/2020	23/06/2020	149.43 X 150.92 X 149.57	22552	8.941	727.8	32.3	
3	Cement Concrete Pavement	M30	26/05/2020	23/06/2020	151.53 X 149.17 X 149.45	22603	8.941	767.6	34.0	

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Assistant Executive Engineer
Kodigehalli Sub Divis.
Yelahanka Zone, B.B.M.P.,
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-08-26-58** **Date: 02/06/2020**

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.

Agency : Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003

Customer's Reference : BBMP/EE/BTP/WO/09/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 28-05-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	26/05/2020	02/06/2020	151.10 X 149.04 X 150.38	22521	**8.633**	572.5	25.4	25.3
2	Cement Concrete Pavement	M30	26/05/2020	02/06/2020	150.96 X 150.94 X 151.00	22785	**8.400**	598.8	26.3	
3	Cement Concrete Pavement	M30	26/05/2020	02/06/2020	151.50 X 151.12 X 149.30	22895	**8.441**	557.0	24.3	

Note:
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-08-26-58**

Date: 23/06/2020

Customer : Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.

Address : Kodigehalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Additional Hall on Ward Office Building and Imptovements of Roas and Drains at Kodigehalli Ward No 08.

Agency : Sri.Gangulureddy.A, #490/B, 12th C Cross Vyalikaval, Malleshwaram, Bangalore-560 003

Customer's Reference : BBMP/EE/BTP/WO/09/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 28-05-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	26/05/2020	23/06/2020	150.40 X 150.29 X 149.37	22604	8.381	766.4	33.9	33.5
2	Cement Concrete Pavement	M30	26/05/2020	23/06/2020	150.42 X 150.73 X 149.83	22673	8.941	743.7	32.8	
3	Cement Concrete Pavement	M30	26/05/2020	23/06/2020	151.41 X 150.59 X 149.47	22801	8.941	767.3	33.7	

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Assistant Executive Engineer
Kodigehalli Sub Divisi
Yeshwanthpur, B.B.M.P.,
Bangalore.

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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